

**Abstract of the Invention**

**A RUBBER COMPOSITION CONTAINING  
NANOSCALED ZINC OXIDE PARTICLES**

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A rubber composition containing a filler comprising 100 parts by weight of at least one rubber containing olefinic unsaturation, 1 to 250 phr of a filler, and 0.05 to 5.0 phr of zinc oxide particles having a diameter of less than 20 nanometers. This composition can be used to form a component of a tire, especially a tread of a tire.